

翁智峰 个人简历

个人简介

翁智峰，男，博士，现为华侨大学讲师。2015年6月武汉大学计算数学专业博士毕业。2015年7月起在华侨大学数学科学学院工作。

E-mail: zfwmath@163.com

研究方向

1. 偏微分方程数值解
2. 最优控制问题和反问题的数值解
3. 相场模型的数值解

科研项目

1. 主持华侨大学引进人才科研启动费（15BS307），2015.10–2018.10.
2. 参加国家自然科学基金面上项目“高分子复杂流体相分离动力学的数值模拟”（11271313），2013.01—2016.12.
3. 参加国家自然科学基金面上项目“带稀疏约束不适定问题的算法研究”（11471253），2015.01—2018.12.

获奖情况

1. 2012年获得自治区优秀硕士论文
2. 2013年获得博士研究生国家奖学金
3. 2016年获得武汉大学研究生学术创新奖二等奖

发表论文情况

在 Applied Mathematical Modelling, Computers and Mathematics with Applications, Applied Mathematics and Computation 等国际知名 SCI 期刊上发表论文。主要论文如下：

- [1] **Zhifeng Weng**, Xinlong Feng, Pengzhan Huang, A new mixed finite element method based on the Crank-Nicolson scheme for the parabolic problems, Applied Mathematical Modelling. 36, 2012, 5068–5079.
- [2] **Zhifeng Weng**, Xinlong Feng, Shuying Zhai, Investigations on two kinds of two-grid mixed finite element methods for the elliptic eigenvalue problem, Computers and Mathematics with Applications, 64, 2012, 2635-2646.

- [3] **Zhifeng Weng**, Xinlong Feng, Shuying Zhai, Analysis of two-grid method for semi-linear elliptic equations by new mixed finite element scheme, *Applied Mathematics and Computation*, 219, 2013, 4826-4835.
- [4] Xinlong Feng, Zhifeng Weng, Hehu Xie, Acceleration of two-grid stabilized mixed finite element method for the Stokes eigenvalue problem, *Applications of Mathematics*, 59, 2014,615-630.
- [5] Shuying Zhai, Zhifeng Weng, Xinlong Feng, Investigations on several numerical methods for the non-local Allen-Cahn equation,*International Journal of Heat and Mass Transfer* , 2015, 87: 111-118
- [6]Zhifeng Weng, Jerry Zhijian Yang, Xiliang Lu, Two grid variational multiscale method with bubble stabilization for convection diffusion equation. *Applied Mathematical Modelling*,40, 2016, 1097-1109.
- [7] Zhifeng Weng, Jerry Zhijian Yang, Xiliang Lu, A stabilized finite element method for the convection dominated diffusion optimal control problem. *Applicable Analysis*, 95, 2016, 2807-2823.
- [8] Zhifeng Weng, Longku Tang, Analysis of the operator splitting scheme for the Allen-Cahn equation. *Numerical Heat Transfer, Part B: Fundamentals* , 70, 2016, 472-483.